

Converting Colors

CIELCh(46, 24.367, 94.941)

Have a look what the booklet for
CIELCh(46, 24.367, 94.941) contains.

CIELCh(46, 24.531, 94.753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 24.531, 94.753)

Conversions

Conversions Part 1

Format	Color
Hex	786D44
RGB	120, 109, 68
RGB Percent	47%, 43%, 27%
CMY	0.5305, 0.5736, 0.7343
CMYK	0.00, 0.09, 0.43, 0.53
HSL	47°, 28%, 37%
HSV	47°, 43%, 47%
XYZ	14.1838, 15.2687, 7.6285
YIQ	107.6150, 19.7170, -10.4190

Conversions

Conversions Part 2

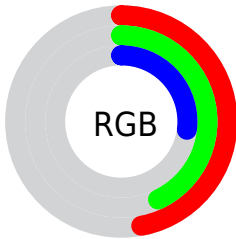
Format	Color
R_{YB}	82, 120, 68
Decimal	7892292
CIE Lab	46.00, -2.03, 24.45
CIE LCh	46, 24.531, 94.753
Yxy	15.2687, 0.3825, 0.4118
Android (android.graphics.Color)	4286082372 (0xFF786D44)
YUV	107.6150, -19.5302, 10.8616
Hunter-Lab	39.0751, -3.5883, 15.7776

Details

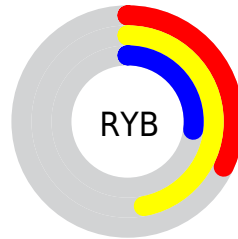
The CIELCh color **46, 24.531, 94.753** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **34, 25.777, 286.218**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 24.248, 94.558**, and **26, 24.817, 95.212** is the 20% darker color. If you saturate the color by 10%, you get **45, 30.067, 93.555**, and if you desaturate by 10%, it is **47, 18.883, 95.940**.

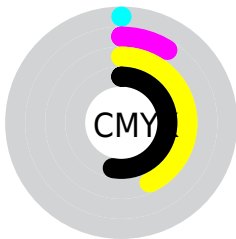
Distribution



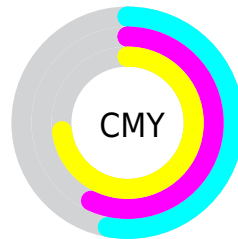
- Red (47%)
- Green (43%)
- Blue (27%)



- Red (32%)
- Yellow (47%)
- Blue (27%)



- Cyan (0%)
- Magenta (9%)
- Yellow (43%)
- Black (53%)





















- Cyan (53%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 24.531, 94.753 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 46, 24.531, 94.753 by changing the saturation by 10% instead.

 46, 24.531, 94.753	 46, 24.531, 94.753
 100, 24.531, 94.753	 36, 24.531, 94.753
 66, 24.531, 94.753	 26, 24.531, 94.753
 76, 24.531, 94.753	 16, 24.531, 94.753
 86, 24.531, 94.753	 6, 24.531, 94.753
 96, 24.531, 94.753	 0, 24.531, 94.753
 46, 24.531, 94.753	 46, 24.531, 94.753
 45, 30.067, 93.555	 47, 18.883, 95.940
 44, 35.352, 92.337	 48, 13.202, 97.100

■ 43, 40.168, 91.096

■ 49, 7.533, 98.229

■ 43, 44.188, 89.811

■ 50, 1.902, 99.286

■ 42, 47.036, 88.441

■ 51, 3.677, 280.440

■ 41, 48.779, 87.563

■ 52, 9.198, 281.444

■ 53, 14.659,
282.419

■ 54, 20.061,
283.351

■ 56, 25.404,
284.239

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46, 24.531, 94.753



34, 25.777, 286.218

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46, 24.531, 94.753



46, 24.531, 144.753



46, 24.531, 274.753



46, 24.531, 324.753

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46, 24.532, 94.757



63, 9.048, 98.239



35, 24.050, 7.211



32, 6.386, 98.032



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46, 24.532, 94.757



58, 36.272, 93.570



48, 30.462, 118.728



24, 3.102, 98.710



42, 49.548, 87.522



82, 83.604, 86.530

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34, 25.777, 286.218



40, 38.849, 288.361



32, 33.324, 304.296



23, 3.133, 280.764



16, 64.991, 301.055



37, 115.683, 302.550

Previews

White Background



This preview shows how the CIELCh color 46, 24.531, 94.753 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 24.531, 94.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

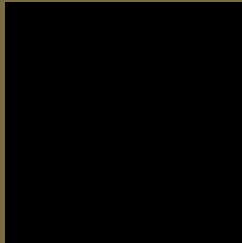
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 24.531, 94.753

Background



This preview shows how black text looks on a background with the CIELCh color 46, 24.531, 94.753.



This preview shows how white text looks on a background with the CIELCh color 46, 24.531, 94.753.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46, 24.531, 94.753

Protanopia

46, 24.430, 95.822

Deuteranopia

46, 24.758, 75.121



Tritanopia
46, 9.903, 352.125

Trichromacy



Original Color
46, 24.531, 94.753

Protanomaly
46, 24.430, 95.822

Deuteranomaly
46, 24.240, 81.935

Tritanomaly
46, 9.520, 58.325

Monochromacy



Original Color
46, 24.531, 94.753

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.043, 97.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 24.531, 94.753 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(120, 109, 68)` looks like.

```
.text, #text, p{  
    color:rgb(120, 109, 68)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(120, 109, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 109, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 24.531, 94.753 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 109, 68) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(120, 109, 68) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(120, 109, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 109, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 109, 68);  
box-shadow:4px 4px 4px 4px rgb(120, 109,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 24.531, 94.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 109, 68) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(120,  
109, 68) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor